

## ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

### Title of Invention

DATA STORAGE SYSTEM HAVING SEPARATE DATA  
TRANSFER SECTION AND MESSAGE NETWORK WITH PLURAL  
DIRECTORS ON A COMMON PRINTED CIRCUIT BOARD AND  
REDUNDANT SWITCHING NETWORKS

Application Number : 09/540825  
Confirmation Number: 2354  
First Named Applicant: David Black  
Attorney Docket Number: 07072-100001  
Art Unit: 2112  
Examiner: Christopher E Lee  
Search string: ( 5241640 or 5752256 or 6651130 ).pn



### US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
CEL	1	5241640	1993-08-31	Hisano et al		395	425
CEL	2	5752256	1998-05-12	Fujii et al		711	114
CEL	3	6651130	2003-11-18	Thibault		710	317

### Signature

Examiner Name	Date
Christopher E. Lee	9/1/05



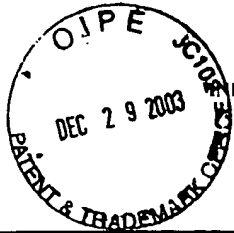
Form PTO-1449  
(Rev. 8-83)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

EMC2-043PUS (formerly  
07072-100001)

APPLICATION NO.

09/540,825



## INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

APPLICANT

David L. Black et al.

FILING DATE

March 31, 2000

GROUP

2189 2112

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE*
CEL	4 4 3 8 4 9 4	3/20/84	Budde et al.			
	4 4 5 6 9 8 7	6/26/84	Wirsing			
	4 6 3 6 9 4 6	1/13/87	Hartung et al.			
	4 7 8 0 8 0 8	10/25/88	Moreno et al.			
	5 4 0 6 6 0 7	4/11/95	Marietta			
	5 5 3 9 7 3 3	7/23/96	Anderson et al.			
	5 5 5 1 0 4 8	8/27/96	Steely, Jr.			
	5 5 8 6 2 6 4	12/17/96	Belknap et al.			
	5 6 0 3 0 5 8	2/11/97	Belknap et al.			
	5 7 0 3 8 7 5	12/30/97	Burnett			
	5 7 4 5 7 9 0	4/28/98	Oskouy			
	5 7 8 7 2 6 5	7/28/98	Leshem			
	5 9 4 8 0 6 2	9/7/99	Tzelnic et al.			
CEL	5 9 4 9 9 8 2	9/7/99	Frankeny et al.			

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DEC 31 2003

Technology Center 2100

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
CEL	0 5 1 0 8 2 1	10/28/92	EP				
I	0 7 9 5 8 1 2	9/17/97	EP				
	8 1 7 2 4 4 6	7/2/96	JP				X
CEL	2 3 6 6 4 2 4	3/6/02	GB				

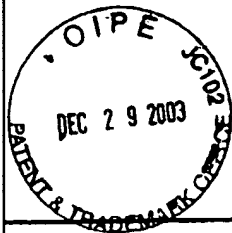
## OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)

CEL	F. Halsall, "The Role of DQDB, 1994, The Institution of Electrical Engineers, IEE, Savoy Place, London WC2R OBL.UK
Examiner Christopher G. Lee	Date Considered: 9/1/05
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and considered. Include copy of this form with next communication to applicant.	

**U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE**

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## U.S. PATENT DOCUMENTS

[illegible]

## FOREIGN PATENT DOCUMENTS

[illegible]

**OTHER DOCUMENTS** (including Author, Title, Date, Pertinent Pages, Etc.)

**Examiner**

**Date Considered:**

9/1/05

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(702143)

Approved for use through 04/30/2003. OMB 0651-0031

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Substitute for form 1449/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

**Complete If Known**

Application Number	09/540,825
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<b>Filing Date</b>	<b>March 31, 2000</b>
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First Named Inventor	Black
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Art Unit	2112
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Examiner Name	Christopher E.Lee
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Attorney Docket Number	EMC2-043PUS
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Sheet 1 of 2

## U. S. PATENT DOCUMENTS

[illegible]

## FOREIGN PATENT DOCUMENTS

[illegible]

**Examiner  
Signature**

Christopher E. Lee

Date	
Considered	

9/1/05

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Substitute for form 1449/PTO		<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)		Application Number	09/540,825
		Filing Date	March 31, 2000
		First Named Inventor	Black
		Art Unit	2112
		Examiner Name	Christopher E. Lee
		Attorney Docket Number	EMC2-043PUS
Sheet	2	of	2

OTHER PRIOR ART-NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
CEL		U.S. Patent Application Serial No. 09/540,828 filed 3/31/2000	
		U.S. Patent Application Serial No. 10/054,241 filed 1/22/2002	
		U.S. Patent Application Serial No. 09/539,966 filed 3/31/2000	
		U.S. Patent Application Serial No. 09/606,730 filed 6/29/2000	
		U.S. Patent Application Serial No. 09/606,734 filed 6/29/2000	
		U.S. Patent Application Serial No. 10/120,957 filed 1/22/2002	
CEL		U.S. Patent Application Serial No. 09/680,156 filed 3/31/2000	

Examiner Signature	Christopher E. Lee	Date Considered	9/1/05
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 1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.  
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Stylesheet Version v18.0

### Title of Invention

Data Storage System Having Separate Data Transfer Section  
and Message Network With Plural Directors on a Common Printed  
Circuit Board and Redundant Switching Network

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Search string: ( 5459856 ).pn



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init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
<i>CE</i>	1	5459856	1995-10-17	Inoue		395	440

### Signature

Examiner Name	Date
<i>Christopher E. Lee</i>	<i>9/1/05</i>